



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/829,092	04/09/2001	Richard B. Ertel	907.0012USU	1779
29683	7590	10/19/2004	EXAMINER	
HARRINGTON & SMITH, LLP 4 RESEARCH DRIVE SHELTON, CT 06484-6212			PIZARRO, RICARDO M	
			ART UNIT	PAPER NUMBER
			2661	

DATE MAILED: 10/19/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/829,092

Applicant(s)

ERTEL ET AL.

Examiner

Ricardo Pizarro

Art Unit

2661

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 09 April 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-10 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1 and 2 is/are rejected.
- 7) ☒ Claim(s) 3-10 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 09 April 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Claim Objections

1. Claims 2 and 5-8 are objected to because of the following informalities and it is suggested to applicant

In claim 2 line 3 insert "CDMA channel for" after -the set of-.

In claim 3 line 8 insert "said" before -data-

In claims 5-7 line 3 insert "said" before -burst packet-switched channels-.

In claim 8 line replace "a plurality of -with said plurality of-, in line 2 insert "said" before -SSs-.

Appropriate correction is required.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

2. Claim 1 is rejected under 35 U.S.C. 102(a) as being anticipated by Kokko.

US patent No. 6,005,852 (Kokko et al) discloses a Load control method and apparatus for CDMA cellular system having circuit and packet switched terminals comprising a method for operating a communication system, comprising steps of: flexibly allocating Code Division Multiple Access (CDMA) channel resources (There exist no fixed allocation of resources but all of the resources can be given to either of services. This guarantees the flexibility of the system

Art Unit: 2661

10 in Fig. 1) between packet-switched shared channels (packet-switched channels, col7 line 18) and circuit-switched dedicated channels (circuit-switched channels, col 7 lines 16-17 in order to optimize system throughput(by dynamically/flexibly controlling load in the network); and employing a side channel as required to send all or a part of a tot amount of data, depending on the total amount of the data , as in claim 1.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claim 2 is rejected under 35 U.S.C. 103(a) as being unpatentable over Kokko in view of Rotstein.

US patent No. 6,005,852 (Kokko et al) discloses a Load control method and apparatus for CDMA cellular system having circuit and packet switched terminals wherein a bandwidth allocation scheme allocates a set of CDMA channels for burst packet-switched channels, and where data is time division multiplexed over the set of burst packet-switched channels (an alternate embodiment discloses data being time multiplexed, col 11 lines 57-58) providing a wide bandwidth data pipe for packet-switched data.,

Kokko did not specifically disclose said subscriber stations being equipped with multiple CDMA channel receivers tuned to the burst packet-switched channels, as in claim 2.

However US patent No. 6,289,228 (Rotstein et al) discloses a Method and apparatus for reducing power consumption of a CDMA communication device, comprising a mobile device (device 104 in Fig. 2) including a plurality of receiver devices (receiver devices 122, 124 and 126 in Fig. 2), as in claim 2.

Therefore, it would have been obvious to a person of ordinary skill in the art at the time of the invention to provide the mobile device as disclosed by Rotstein to the CDMA system disclosed by Kokko with the motivation of obtaining a CDMA system that avoids the problems associated with acquiring multiple channels to see in a incoming call is present.

Allowable Subject Matter

4. Claims 3-10 would be allowable if rewritten or amended to overcome the objection to claims under 37 CFR 1.75.

Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.
 - US patent No. 6,512,784 (Schilling) discloses an efficient sharing of capacity by remote stations using circuit switching and packet switching.
 - US patent No. 6,628,611 (Mochikuzi) disclosed a Traffic control method.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231

or faxed to:

(703) 872-9306

(for formal communications intended for entry, for informal or draft communications, please label "PROPOSED" or "DRAFT")

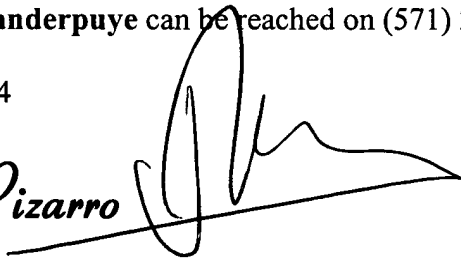
Hand-delivered responses should be brought to 220 South 20th Street, Crystal Plaza Two, Lobby, Room 1B03, Arlington, Va 22202 (Customer Window).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Ricardo Pizarro** whose telephone number is (571) 272-3077. The examiner can normally be reached on Monday-Friday from 9:00 AM to 5:30 PM. The fax number for this Group is (703) 872-9306.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **Kenneth Vanderpuye** can be reached on (571) 272-3078.

October 16, 2004

Ricardo M. Pizarro

A handwritten signature in black ink, appearing to read "Ricardo M. Pizarro", written over a horizontal line. The signature is stylized with a large loop at the end.